

DPM 5549

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME MSCI, Ltd.		EMERGENCY TELEPHONE NO. 415/489-8111
ADDRESS (Number, Street, City, State, and ZIP Code) 301 Daggett Avenue Union City, California 94587		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS MIL-R-81294, Type I (3812)	
CHEMICAL FAMILY	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Chlorinated Hydrocarbons				Less than 55	500ppm
Phenolics				Less than 16	

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	102	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.2
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Yellow, viscous liquid; phenolic odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA				
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

Excessive inhalation may cause dizziness or nausea.

EMERGENCY AND FIRST AID PROCEDURES

For excessive inhalation, remove to fresh air. In case of skin or eye contact, flush immediately and for at least 15 minutes with water. Contact physician.

**SECTION VI - REACTIVITY DATA**

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Allow solvents to evaporate. Absorb residue with sawdust or other inert. Contact waste handler for disposal.

WASTE DISPOSAL METHOD

Determined by local pollution standards.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type)

May need mask with organic vapors canister.

VENTILATION

LOCAL EXHAUST

Desirable

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Neoprene, poly

EYE PROTECTION

Goggles, face shield

OTHER PROTECTIVE EQUIPMENT

Rubber or poly apron

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store away from high heat and out of direct sunlight. Open carefully to avoid spurting. Use with adequate ventilation.

OTHER PRECAUTIONS